

# EAST Search History

B J L

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1166	428/34.9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 11:53
S2	16	Matsui-Masamitsu.IN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:08
S3	1	"6841261".PN. AND (styrene OR "conjugated diene" OR "soft phase" OR "hard phase")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/17 14:58
S4	1	"6841261".PN. AND (styrene OR "conjugated diene" OR "soft phase" OR "hard phase" OR "block copolymer" OR "loss tangent")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/17 15:07
S5	1	"6841261".PN. AND (styrene OR "conjugated diene" OR "soft phase" OR "hard phase" OR "block copolymer" OR "loss tangent" OR syndiotactic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/17 15:08
S6	12	("20030158336"   "20040072957"   "20040097658"   "20040102576"   "3872068"   "4089913"   "4386125"   "4987194"   "5583182"   "5756577"   "6107411").PN. OR ("6841261").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:13
S7	0	S6 AND "spontaneous shrinkage ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:14
S8	0	S2 AND "spontaneous shrinkage ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:14
S9	6	"spontaneous shrinkage ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:15
S10	313	"shrinkage ratio" SAME film	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:16
S11	19	"shrinkage ratio" SAME film AND spontaneous	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:18
S12	2206	"volume average particle size"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:18
S13	67	"volume average particle size" SAME film	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:21

## EAST Search History

S14	2	"volume average particle size" SAME film AND shrinkable	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:18
S15	38	"Asahi Chemical" AND film AND shrinkable	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:22
S16	43	Toyobo AND film AND shrinkable	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:22
S17	126	"Sumitomo Chemical" AND film AND shrinkable	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:22
S18	19	"Mitsubishi Plastics" AND film AND shrinkable	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:23
S19	208	S15 OR S16 OR S17 OR S18	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:23
S20	10	S19 AND "shrinkage ratio"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:24
S21	3	S19 AND "volume average particle size"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:34
S22	1	S19 AND syndiotactic	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:35
S23	0	S19 AND "cold crystallinity"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:25
S24	1	S19 AND "cold crystallization"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:35
S25	8	S19 AND relaxation SAME stress	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:36
S26	1	S19 AND "relaxation stresses"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:26
S27	102	S19 AND holes	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:26
S28	5	S19 AND "no holes"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:38

## EAST Search History

S29	29	S19 AND expanded	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:39
S30	1	S19 AND "expanded product"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:39
S31	68	S19 AND outermost AND layer	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:28
S32	67	S19 AND outermost SAME layer	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:28
S33	62	S19 AND "three layers"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:42
S34	10	S19 AND packaging WITH label	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:49
S35	29	S19 AND "three layers" AND outermost	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:42
S36	0	"032468".FRPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:49
S37	0	JP032468.FRPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:49
S38	0	"JP 032468"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:50
S39	0	"JP 07-032468"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:51
S40	0	"10-058540"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:51
S41	0	"10-58540"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:52
S42	2061	"syndiotactic polystyrene"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:52
S43	33	"syndiotactic polystyrene" AND Toyobo	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:53

## EAST Search History

S44	1	"syndiotactic polystyrene" AND Toyobo.AS.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 11:54
S45	58	"syndiotactic polystyrene" AND shrinkable	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 16:54
S46	60	"syndiotactic polystyrene" AND shrinkable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/17 16:54
S47	2	("2002/0090502").URPN.	USPAT	OR	ON	2006/11/17 17:02
S48	5	Matsui-Masamitsu.IN. AND shrinkage	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:10
S49	17	"Denki Kagaku" AND "spontaneous shrinkage" .	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:13
S50	46	"Denki Kagaku" AND "volume average particle size"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:16
S51	19	"Denki Kagaku" AND "crystalline melting point"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:18
S52	8	"Denki Kagaku" AND "relaxation stresses"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:19
S53	1	"JP 2004314480"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:20
S54	0	"JP 1998058540"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:22
S55	0	"March 3, 1998" AND Asahi	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:23
S56	0	"March 03, 1998" AND Asahi	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:23
S57	0	"03 March, 1998" AND Asahi	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:23
S58	0	"3 March, 1998" AND Asahi	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/18 08:24

## EAST Search History

S59	0	"3 March, 1998" AND Asahi	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/18 08:24
S60	249	syndiotactic AND Toyobo	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/18 08:25
S61	228	syndiotactic AND Toyobo AND film	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/18 08:27
S62	167	syndiotactic AND Toyobo.AS. AND film	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/18 08:25
S63	62	syndiotactic AND Toyobo AND film	US-PGPUB; USPAT; EPO	OR	ON	2006/11/18 08:28
S64	36	syndiotactic SAME polystyrene AND Toyobo AND film	US-PGPUB; USPAT; EPO	OR	ON	2006/11/18 08:32
S65	1657	sumitomo AND foaming AND film	US-PGPUB; USPAT; EPO	OR	ON	2006/11/18 08:33
S66	394	sumitomo AND foaming SAME film	US-PGPUB; USPAT; EPO	OR	ON	2006/11/18 08:33
S67	31	sumitomo AND foaming SAME film AND syndiotactic	US-PGPUB; USPAT; EPO	OR	ON	2006/11/18 08:39
S68	17	sumitomo AND foaming SAME film AND syndiotactic AND label	US-PGPUB; USPAT; EPO	OR	ON	2006/11/18 08:39
S69	0	("2002/0120065").URPN.	USPAT	OR	ON	2006/11/18 08:42

## EAST Search History

S70	25	(US-20020161089-\$ or US-20050222331-\$ or US-20030039775-\$ or US-20020090502-\$ or US-20050124739-\$).did. or (US-6841261-\$ or US-5212009-\$ or US-6765070-\$ or US-5567796-\$ or US-5300353-\$ or US-4985188-\$ or US-4863768-\$ or US-5614297-\$ or US-5035955-\$ or US-6033775-\$ or US-5271976-\$ or US-4883693-\$ or US-6479138-\$ or US-4476266-\$ or US-5004649-\$ or US-5270353-\$ or US-5084334-\$ or US-6534150-\$ or US-6562907-\$ or US-6852806-\$). did.	US-PGPUB; USPAT	OR	ON	2006/11/18 10:04
S71	5	S70 AND expanded	US-PGPUB; USPAT	OR	ON	2006/11/18 10:08
S72	3	S70 AND foaming	US-PGPUB; USPAT	OR	ON	2006/11/18 10:09
S73	0	S70 AND foaming SAME propane	US-PGPUB; USPAT	OR	ON	2006/11/18 10:09
S74	1	S70 AND foaming AND propane	US-PGPUB; USPAT	OR	ON	2006/11/18 10:45
S75	4	S70 AND "volume average particle size"	US-PGPUB; USPAT	OR	ON	2006/11/18 10:46
S76	0	S70 AND "volume average particle size" SAME polystyrene	US-PGPUB; USPAT	OR	ON	2006/11/18 10:46
S77	2	S70 AND "volume average particle size" AND polystyrene	US-PGPUB; USPAT	OR	ON	2006/11/18 10:58
S78	100	Denki AND "volume average particle size" AND polystyrene	US-PGPUB; USPAT	OR	ON	2006/11/18 10:59
S79	2	Denki.AS. AND "volume average particle size" AND polystyrene	US-PGPUB; USPAT	OR	ON	2006/11/18 10:58
S80	3	Denki AND "volume average particle size" SAME polystyrene	US-PGPUB; USPAT	OR	ON	2006/11/18 10:59
S81	84	Denki AND "volume average particle size" AND polystyrene AND film	US-PGPUB; USPAT	OR	ON	2006/11/18 10:59
S82	1	Denki AND "volume average particle size" AND polystyrene AND film AND shrinkable	US-PGPUB; USPAT	OR	ON	2006/11/18 10:59
S83	1	Denki AND "volume average particle size" AND polystyrene AND film AND shrink	US-PGPUB; USPAT	OR	ON	2006/11/20 09:39
S84	48	Denki AND "volume average particle size" AND polystyrene SAME film	US-PGPUB; USPAT	OR	ON	2006/11/18 11:00

## EAST Search History

S85	25	(US-20050124739-\$ or US-20050222331-\$ or US-20020161089-\$ or US-20020090502-\$ or US-20030039775-\$).did. or (US-6841261-\$ or US-4476266-\$ or US-6534150-\$ or US-5270353-\$ or US-5084334-\$ or US-5004649-\$ or US-6562907-\$ or US-6765070-\$ or US-6479138-\$ or US-5614297-\$ or US-5567796-\$ or US-5271976-\$ or US-6852806-\$ or US-5212009-\$ or US-5035955-\$ or US-4883693-\$ or US-4863768-\$ or US-6033775-\$ or US-5300353-\$ or US-4985188-\$). did.	US-PGPUB; USPAT	OR	ON	2006/11/20 09:19
S86	2308490	S85 AND particle size	US-PGPUB; USPAT	OR	ON	2006/11/20 09:19
S87	11	S85 AND "particle size"	US-PGPUB; USPAT	OR	ON	2006/11/20 09:21
S88	3	S85 AND "particle size" SAME rubber	US-PGPUB; USPAT	OR	ON	2006/11/20 09:21
S89	1	"particle size" SAME saccular SAME rubber	US-PGPUB; USPAT	OR	ON	2006/11/20 09:39
S90	1	particle SAME size SAME saccular SAME rubber	US-PGPUB; USPAT	OR	ON	2006/11/20 09:39
S91	1	particle SAME size SAME saccular AND rubber	US-PGPUB; USPAT	OR	ON	2006/11/20 09:40
S92	8	particle SAME size AND saccular AND rubber	US-PGPUB; USPAT	OR	ON	2006/11/20 09:40
S93	59678	particle WITH size AND rubber	US-PGPUB; USPAT	OR	ON	2006/11/20 09:41
S94	65	particle WITH size SAME rubber AND shrinkable SAME heat	US-PGPUB; USPAT	OR	ON	2006/11/20 09:41
S95	49	particle WITH size SAME rubber AND shrinkable SAME heat AND film	US-PGPUB; USPAT	OR	ON	2006/11/20 09:41
S96	27	particle WITH size WITH rubber AND shrinkable SAME heat AND film	US-PGPUB; USPAT	OR	ON	2006/11/20 09:43
S97	8	particle WITH size WITH rubber AND shrinkable SAME heat AND film AND blending	US-PGPUB; USPAT	OR	ON	2006/11/20 09:45
S98	1	particle WITH size WITH rubber AND shrinkable SAME heat AND film AND blending AND (reinforcing OR reinforce)	US-PGPUB; USPAT	OR	ON	2006/11/20 09:45
S99	1222	428/521	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 11:54

## EAST Search History

S10 0	503	525/332.9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 11:54
S10 1	592	525/95	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/20 11:54
S10 2	11	"syndiotactic polystyrene" AND S99	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 11:55
S10 3	2	"syndiotactic polystyrene" AND S100	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 11:56
S10 4	8	"syndiotactic polystyrene" AND S101	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 11:56
S10 5	2	"syndiotactic polystyrene" AND S99 AND label	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 11:56
S10 6	0	"syndiotactic polystyrene" AND S100 and label	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 11:56
S10 7	0	"syndiotactic polystyrene" AND S101 and label	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/20 11:56